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LIST OF EARTHQUAKES IN CALIFORNIA FOR THE  
YEAR 1896.

COMPILED BY C. D. PERRINE.

The following list is a continuation of similar reports printed in these *Publications*: Vol. II, p. 74; Vol. III, p. 247; Vol. V, p. 127; Vol. VI, p. 41; Vol. VII, p. 99, and Vol. VIII, p. 222. A more complete account will be published by the United States Geological Survey as a bulletin. The dates are civil dates. The times are Pacific Standard (120th meridian).

Roman numerals enclosed in parentheses indicate the intensity on the ROSSI-FOREL scale.

Some doubtful cases have been included, and are indicated by an interrogation point enclosed in parenthesis.

LIST OF EARTHQUAKE SHOCKS, 1896.

- January 3. Esquimault (B. C.), 10:09 P. M. Reported by E. BAYNES REED, Esq. Victoria (B. C.), 10:20 P. M.; Port Angeles (Wash.), 10:30 P. M. The volcano of Kilauea in the Hawaiian Islands in eruption.
- January 5. Volcanoes below the Cocopah Mountains reported in eruption.
- January 8. Lake Chapala, Mexico.
- January 25. Carson (Nevada), 4:45 A. M.; 4:46 A. M.; 5:02 A. M. Reported by Professor C. W. FRIEND.
- January 27. Carson (Nevada), 7:59 A. M. (II); 8:34 A. M. (III); 11:04 A. M. (III); 11:19 A. M. (I); 1:01 P. M. (IV); 6:32 P. M. (II), and quite a number of light tremors between. Reported by Professor C. W. FRIEND.
- February 5. Tauquiz Mountain (near San Jacinto). Volcanic eruption. (?)
- February 6. East Clallam (Wash.), 9:55 P. M.
- February 13. Redding, 10± A. M.; Weaverville, 9:55 A. M.; Eureka, 9:55 A. M.
- February 15. Los Angeles, 2:52 P. M. (another report says 2:45 P. M.); Pasadena, 2:57 P. M.
- March 15. Burrard Mountains (ten miles from Vancouver, (B. C.). Volcanic eruption. (?)
- April 2. Portland (Oregon), 3:20± A. M.; McMinnville (Oregon), 3:17 A. M.

- April 28. San Francisco, 2:57 P. M.; Alameda.  
 June 20 $\pm$ . Tidal wave on the Mendocino coast.  
 July 3. San Diego, 9:27 P. M.  
 July 23. Vallejo, 1:50 A. M.  
 August 11. Mt. Hamilton, 8:58:7  $\pm$  P. M. (II). E. S. H.;  
 Alameda.  
 August 17. Merced, 3:40 A. M.; Visalia, 3:29, or 3:30 A. M.  
 (another report says 3:26 A. M.).  
 August 18. Mt. Hamilton, 11:0:24  $\pm$  P. M. (III). E. S. H.;  
 11:0:13 P. M. A. L. C.; Napa, P. M.; Evergreen, 11:0:15  
 P. M. Reported by WM. WEHNER, Esq.  
 August 19. Alameda.  
 August 26. Mount Hood (Oregon). An avalanche. (Due to  
 an earthquake (?).  
 September 1. Pinole, Contra Costa County, California. Powder  
 Works exploded at 1 P. M.  
 September 10. Santa Rosa, 3:45 A. M.  
 September 24. 5<sup>h</sup> 25<sup>m</sup> 30<sup>s</sup>  $\pm$  P. M. (III), E. S. H.  
 5<sup>h</sup> 25<sup>m</sup> 45<sup>s</sup> P. M. (I), C. D. P.)  
 October 19. Santa Rosa, 6  $\pm$  A. M.  
 November 3. Mt. Hamilton, 10:58.44  $\pm$  1<sup>s</sup> A. M., W. W. C.  
 November 11. Cahto, 2 A. M.  
 November 29. Mt. Hamilton, 11:3:37 A. M. (I). C. D. P.  
 December 8. Mexico (Pacific ports), 9:30 A. M., 1:30 P. M. and  
 5 P. M.  
 December 17. Santa Barbara. At 8 A. M. a tidal wave destroyed  
 a large section of the boulevard.  
 December 22. Mt. Hamilton, 1<sup>h</sup> 52<sup>m</sup> 42<sup>s</sup> P. M., P. S. T.

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(TWENTY-SEVENTH) AWARD OF THE DONOHUE  
 COMET-MEDAL.

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The Comet-Medal of the Astronomical Society of the Pacific  
 has been awarded to Mr. C. D. PERRINE, Assistant Astronomer  
 in the Lick Observatory, for his discovery of an unexpected  
 comet on December 8, 1896.

The Committee on the Comet-Medal,

EDWARD S. HOLDEN,  
 J. M. SCHAEFERLE,  
 W. W. CAMPBELL.

1897, February 8.